


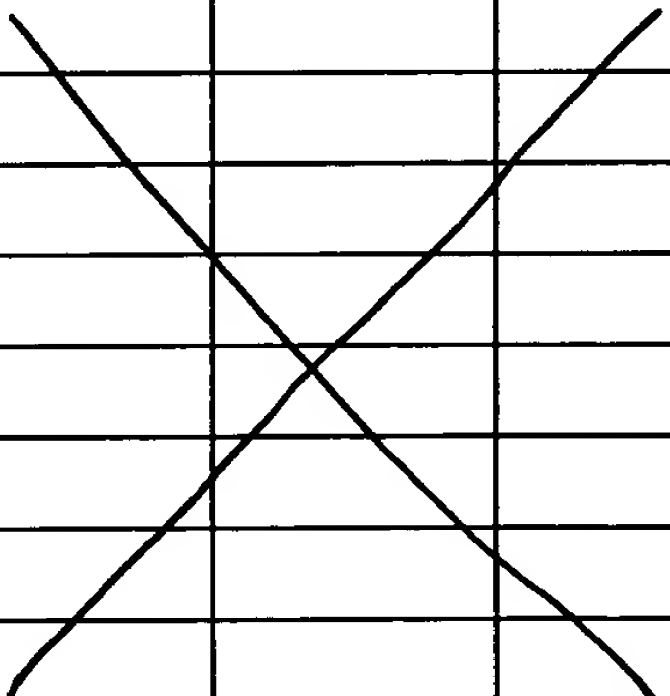







FORM PTO-1449 U. S DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.	SERIAL NO.
U 013510-6	09/885,620
APPLICANT	
Kazuhiro OKADA	
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June 20, 2001	2856



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	AA													
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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
	AN	PATENT ABSTRACTS OF JAPAN OF JP 560787 DATED MARCH 13, 1993 AND JPO COMPUTER TRANSLATION OF CLAIMS
	AO	PATENT ABSTRACTS OF JAPAN OF JP540040 DATED FEBRUARY 19, 1993
	AP	PATENT ABSTRACTS OF JAPAN OF JP429012 DATED JANUARY 31, 1992
	AQ	PATENT ABSTRACTS OF JAPAN OF JP 425714 DATED JANUARY 29, 1992
	AR	PATENT ABSTRACTS OF JAPAN OF JP148833 DATED MAY 21, 1992
	AS	PATENT ABSTRACTS OF JAPAN OF JP3200038 DATED SEPTEMBER 2, 21991
	AT	PATENT ABSTRACTS OF JAPAN OF JP 484725 DATED MARCH 18, 1992
	AU	PATENT ABSTRACTS OF JAPAN OF JP 526744 DATED FEBRUARY 2, 12993

EXAMINER	RICHARD MOLLER	DATE CONSIDERED	8/27/02
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RB</i>	AA 4 9 0 5 5 2 3	3/1990	Okada	73	862.04	
	AB 4 9 6 9 3 6 6	11/1990	Okada	73	862.08	
	AC 5 0 1 4 4 1 5	5/1991	Okada	29	621.1	
	AD 5 0 3 5 1 4 8	7/1991	Okada	73	862.04	
	AE 5 0 9 2 6 4 5	3/1992	Okada	294	86.4	
	AF 5 1 8 2 5 1 5	1/1993	Okada	324	259	
	AG 5 2 6 3 3 7 5	11/1993	Okada	73	862.042	
	AH 5 3 4 3 7 6 5	9/1994	Okada	73	862.043	
	AI 5 3 6 5 7 9 9	11/1994	Okada	73	862.041	
	AJ 5 2 9 5 3 8 6	3/1994	Okada	73	1 D	
	AK 4 9 6 7 6 0 5	11/1990	Okada	73	862.04	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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AM 9 6 0 1 9 2 6	7/1996	WO			X
AN 3 0 5 0 8 0 9	3/1991	JP			X
AO 3 1 6 5 5 5 2	7/1991	JP			X
AP 0 0 8 4 7 0 4	8/1983	EP			X

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

AR	Patent Abstracts of Japan of JP 3050809 dated May 16, 1991 Vol. 15 No. 101
AS	Patent Abstracts of Japan of JP 3165552 dated October 16, 1991 Vol. 15 No. 40
AT	Patent Abstracts of Japan, Vol. 010, No. 177 (p-470) June 21, 1986

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DATE CONSIDERED

RICHARD MOLLER

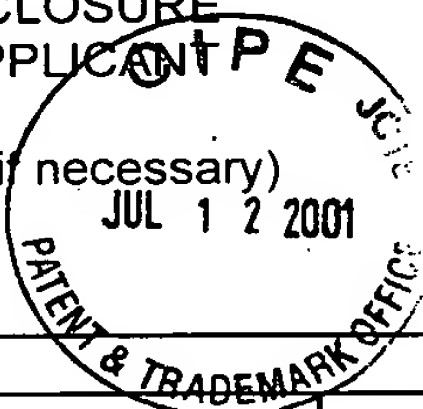
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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

<i>SB</i>	AR	Patent Abstracts of Japan, Vol. 015, No. 311 (E-1098) August 1991
	AS	
	AT	

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RB</i>	AA	4 8 5 3 8 9 4	8/1989	YAMANAKA, et al.	365	154	
	AB	4 5 8 6 1 0 9	4/1986	PETERS, et al.	361	293	
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	AD	4 8 5 5 8 6 6	8/1989	IMAMURA, et al.	361	306	
	AE	5 0 5 4 3 2 3	10/1991	Hubbard, Jr. et al.	73	Dig.4	
	AF	4 8 0 2 3 7 1	2/1989	CALDERARA, et al.	73	862.04	
	AG	5 2 0 3 2 0 8	4/1993	BERNSTEIN	73	504.12	
	AH	4 3 0 3 9 1 9	12/1981	DEMEFF	340	870.37	
	AI	4 3 0 9 9 0 7	1/1982	BUDRAITIS, et al.	73	862.041	
	AJ	5 2 5 7 5 4 2	11/1993	VOSS	73	724	
	AK	4 5 9 8 5 8 5	7/1986	BOXENHORN	73	505	

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	AP	6 2 0 1 1 2 5 7	1/1987	JP				

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Patent Abstracts of Japan, Vol. 012, no. 351 (E-660), 20 September 1988, for JP 63108763A
	AS	Patent Abstracts of Japan, Vol. 013 no. 410 (E-819), 11 September 1988, for JP 01150383A
<i>RB</i>	AT	Patent Abstracts of Japan, Vol. 011, no. 179 (E-514), 9 June 1987, for JP 62011257A

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09/885,620

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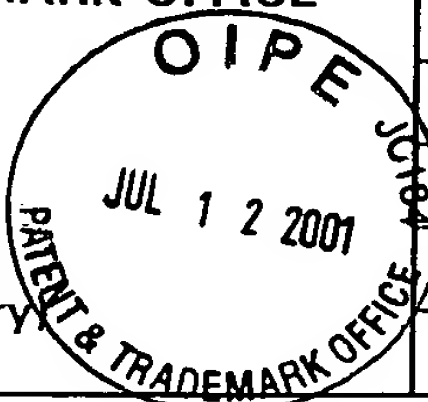
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<i>JB</i>	AA	4 8 0 2 3 7 1	2/1989	Calderara et al	73	862.04	
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	AO	4 1 4 8 8 3 3	5/1992	JP				X
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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

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U 013510-6

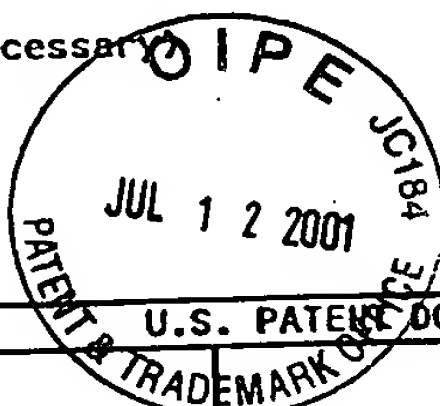
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APPLICANT Kazuhiro OKADA

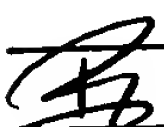
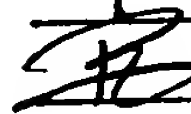
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	AC	4	3	7	3	3	9	4	2/1983	BELOGLAZOV, et al	73	777			
	AD	4	4	5	4	7	7	1	6/1984	SHIMAZOE, et al.	73	862.68			
	AE	4	5	4	2	4	3	6	9/1985	CARUSILLO	73	718			
	AF	4	5	5	2	0	2	8	11/1985	BURCKHARDT, et al	73	862.041			
	AG	4	6	8	0	6	0	6	7/1987	KNUTTI, et al.	73	862.041			
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	AO	0	1	4	7	6	2	2	8/1985	JAPAN			
	AP	0	2	1	8	9	3	2	8/1990	JAPAN			

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	AR	R.F. Wolffenbuttel et al. "Multiaxis Compliant Capacitive..." IEEE Instrumentation and Measurement Technology Conference San Jose, California, 1990, pp. 54-59.
	AS	Patent Abstracts of Japan, vol. 014, No. 366 (P-1089) August, 1990.
<i>RB</i>	AT	Patent Abstracts of Japan, vol. 013, No. 266 (P-887) June 20, 1989.

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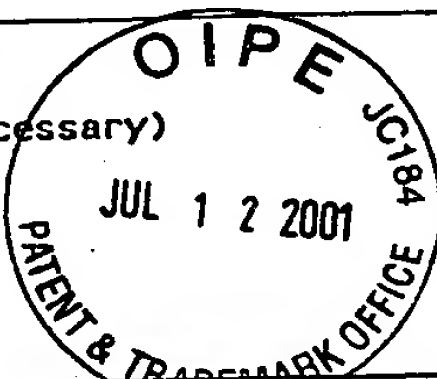
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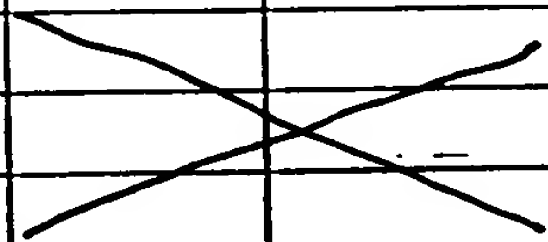
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	U 013510-6	09/885, 620
	APPLICANT Kazuhiro OKADA	
	FILING DATE	GROUP
June 20, 2001		



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	AC	4	5	8	6	1	0	9	4/1986	PETERS, et al.	29	25.41	
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	AG	5	3	1	7	9	2	2	6/1994	BOMBACK, et al.	361	283.3	
	AH	5	6	6	1	2	3	5	8/1997	Bonin	73	862.626x	
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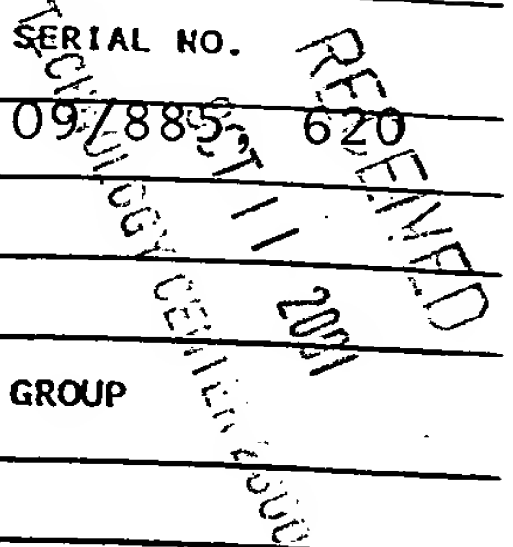
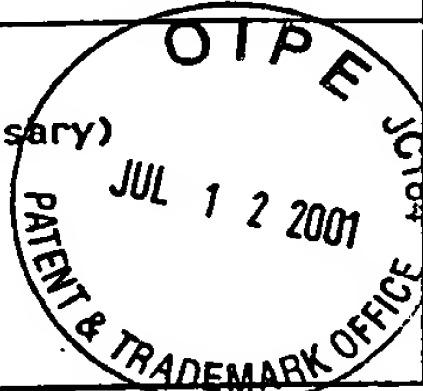
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	AO												
	AP												

OTHER	ART	(Including Author, Title, Date, Pertinent Dates, Etc.)
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EXAMINER	DATE CONSIDERED	RICHARD MOLLER PRIMARY EXAMINER	8/27/02
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	APPLICANT Kazuhiro OKADA	
	FILING DATE June 20, 2001	GROUP



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		6	1	8	4	7	1	1	9/1986	JAPAN		

OTHER		ART (Including Author, Title, Date, Pertinent Dates, Etc.)	
	AR	Patent Abstracts of Japan, vol. 11, No. 58, February 21, 1987, p. 550	
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	AT	N.T.I.S. Technical Notes, "Force Sensor...", Part F, February 1986, p. 188.	
EXAMINER		DATE CONSIDERED RICHARD MOLLER 8/27/02	

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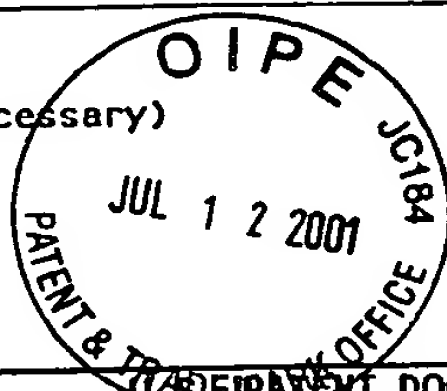
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	AA						
	AB						
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES
	AL					
	AM					
	AN					
	AO					
	AP					

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	AR	Peterson, K., Transducers '85, International Conference on Solid-State Sensors and Actuators, "A force sensing chip...", 1985, pp.30-32.
	AS	Suzuki, M. et al., Proceedings.
	AT	IECON '86, International Conference on Industrial Electronics, Control and Instrumentation, "Three Kinds of Dexterous...", Milwaukee, Wis., pp. 544-548.

EXAMINER

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RICHARD MOLLER

8/27/02

PRIMARY EXAMINER

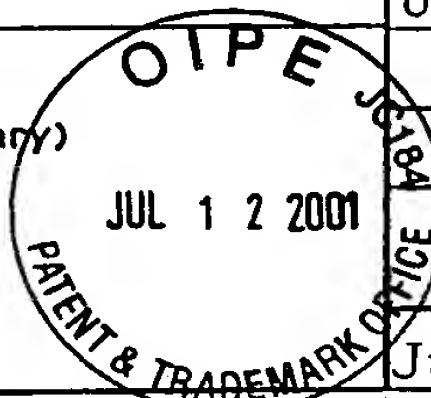
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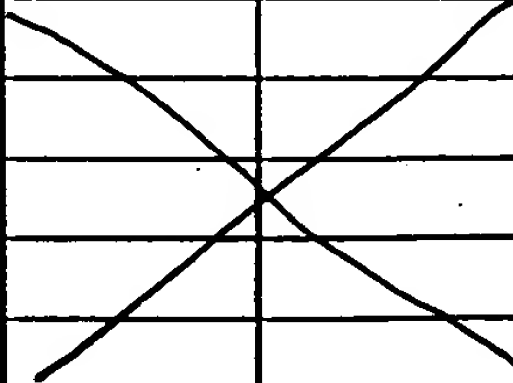
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EXAMINER INITIAL		DOCUMENT							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRI
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<i>RB</i> <i>RB</i>	AA	3	5	0	9	5	8	3	5/1970	FRAIOLI	623	24	
	AB	4	3	7	3	3	9	9	2/1983	BELDGLAZOV, etal	73	777	
	AC												
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B B		2	2	6	5	1	3	5	3/1974	FRANCE			
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	5	7	1	9	0	2	4	1	11/1982	JAPAN			

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<i>RB</i>	AR	Patent Abstracts of Japan, vol. 10, No. 45, February 21, 1986, p. 430.
<i>RB</i>	AS	Patent Abstracts of Japan, vol. 7, No. 38, February 16, 1983, p.176.
<i>RB</i>	AT	Patent Abstracts of Japan, vol. 10, No. 256, September 2, 1986, p. 493

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